AMENDMENTS TO THE CLAIMS

Claims 1-66 (canceled)

67. (currently amended) A formulation useful in retarding the growth of vegetation comprising an aqueous mixture containing a surfactant, glyphosate, primarily in the form of the potassium salt ~~or a salt or ester~~ thereof, and a dicarboxylic acid, the nature of said surfactant and the composition of said formulation being such that, upon application of the formulation to a plant, anisotropic aggregates comprising said surfactant are formed on the foliage of said plant.

68. (original) A formulation as set forth in claim 67 wherein the nature of said surfactant and the composition of said formulation are such that, upon application of the formulation to a plant, liquid crystals comprising said surfactant are formed in the foliage of said plant.

69. (previously amended) A formulation as set forth in claim 67 wherein the glyphosate concentration is from about 400 g a.e./L to about 600 g a.e./L.

70. (previously amended) A formulation of claim 67 wherein the formulation has a cloud point of at least about 50°C and a crystallization point of not higher than about 0°C.

71. (original) A formulation of claim 70 wherein the formulation has a cloud point of at least about 60°C and a crystallization point of not higher than about -10°C.

72. (currently amended) A formulation of claim 67 wherein the weight ratio of the surfactant to the dicarboxylic acid is from about 5:1 to about 50:1 ~~formulation comprises a salt of glyphosate selected from the group consisting of potassium glyphosate, monoammonium glyphosate, diammonium glyphosate, sodium glyphosate, monoethanolamine glyphosate, n-propylamine glyphosate, ethylamine glyphosate, ethylenediamine glyphosate, hexamethylenediamine glyphosate, trimethylsulfonium glyphosate and mixtures thereof~~.

73. (original) A formulation of claim 67 wherein the formulation has a density of at least about 1.210 grams/liter.

74. (original) A formulation of claim 67 wherein the formulation has a viscosity of less than about 1000 c.p. at 0°C at 45/s shear rate.

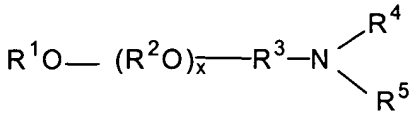
75. (original) A formulation of claim 74 wherein the formulation has a viscosity of less than about 250 c.p. at 0°C at 45/s shear rate.

76. (original) A formulation of claim 67 wherein the surfactant comprised by the formulation is not substantially antagonistic to the herbicidal activity of the glyphosate.

77-99 (canceled)

100. (withdrawn) A formulation of any one of claims 67, 92, 93, 152 or 162 wherein the surfactant is selected from the group consisting of:

(a) monoalkoxylated amines having the formula:

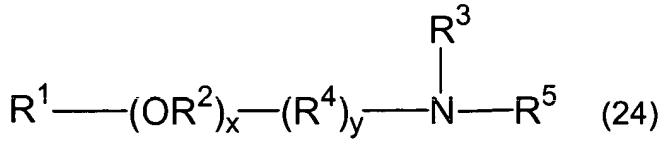


(23)

wherein R^1 is hydrogen or hydrocarbyl or substituted hydrocarbyl having at least 7carbon atoms; R^2 in each of the x (R^2O) and y (R^2O) groups is independently C_2-C_4 alkylene; R^3 is a hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms; R^4 and R^5 are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, $-(R^6)_n-(R^2O)_yR^7$, or R^4 and R^5, together with the nitrogen atom to which they are attached, form a cyclic or heterocyclic ring; R^6 is hydrocarbylene or substituted hydrocarbylene containing from 1 to about 6 carbon atoms, R^7 is hydrogen or a linear or branched alkyl group having 1 to about 4 carbon atoms, n is 0 or 1, and x and y are independently an average number from 1 to about 60, provided, however, that when R^2 and R^3 in each of the x (R^2O) groups is ethylene, R^1 is other than unsubstituted alkyl or R^4 is other than hydrogen or unsubstituted alkyl when R^5 is hydrogen or unsubstituted alkyl, and when R^2 and R^3 are

isopropylene and x is 1, R^1 is other than unsubstituted alkyl or R^4 is other than $-(R^2O)_yR^7$;

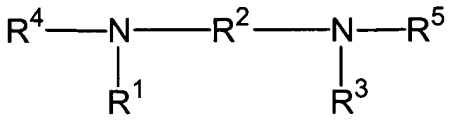
(b) alkoxylated poly(hydroxyalkyl)amines having the formula:



(24)

wherein R^1 and R^3 are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R^2 in each of the x (R^2O) groups is independently C_2-C_4 alkylene; R^4 is hydrocarbylene or substituted hydrocarbylene having from 1 to about 30 carbon atoms, R^5 is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl; x is an average number from 0 to about 30, and y is 0 or 1;

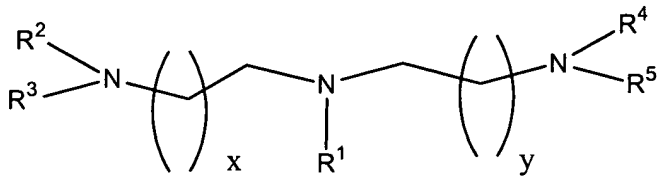
(c) di-poly(hydroxyalkyl)amines having the formula:



(27)

wherein R^1 and R^3 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 22 carbon atoms, R^2 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, R^4 and R^5 are independently hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl, provided, however, that when R^1 and R^3 are methyl, R^2 is other than octylene;

(d) alkoxylated triamines having the formula:

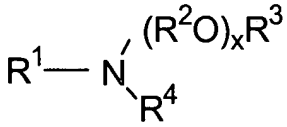


(29)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; R^2, R^3, R^4 and R^5 are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or $-(R^8)_s(R^7\text{-}O)_nR^6$; R^6 is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms; R^7 in each of

the n (R^7O) groups is independently C_2-C_4 alkylene; R^8 is hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms; n is an average number from 1 to about 10; s is 0 or 1; and x and y are independently an integer from 1 to about 4; provided, however, that when R^1 is alkyl, R^2 is other than hydrogen, x is 3 or 4, or R^4 is other than $-(R^7\text{-}O)_nR^6$;

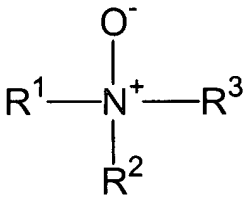
(e) monoalkoxylated amines having the formula:



(30)

wherein R^1 is a hydrocarbyl or substituted hydrocarbyl group having from 1 to about 30 carbon atoms, R^2 is C_2-C_4 alkylene, R^3 is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, R^4 is a linear or branched alkynyl, aryl, or aralkyl group having from 1 to about 30 carbon atoms, and x is an average number from 1 to about 60;

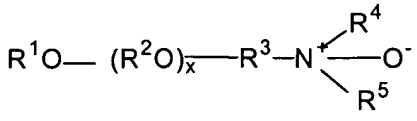
(f) amine oxides having the formula:



(31)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 8 to about 30 carbon atoms, R^2 and R^3 are independently $-(R^4O)_xR^5$, R^4 in each of the x (R^4O) groups is independently C_2-C_4 alkylene, R^5 is hydrogen, or a hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, x is an average number from 1 to about 50.

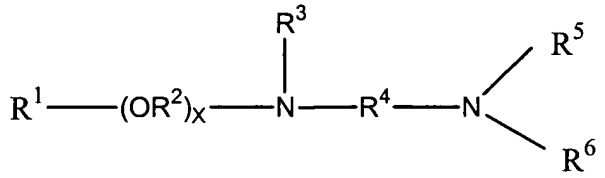
(g) an alkoxylated amine oxide having the formula:



(32)

wherein R^1 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; R^2 in each of the x (R^2O) and y (R^2O) groups is independently C_2-C_4 alkylene; R^3 is a hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms; R^4 and R^5 are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, $-(R^6)_n-(R^2O)_yR^7$; R^6 is hydrocarbylene or substituted hydrocarbylene containing from 1 to about 6 carbon atoms, R^7 is hydrogen or a linear or branched alkyl group having 1 to about 4 carbon atoms, n is 0 or 1, and x and y are independently an average number from 1 to about 60;

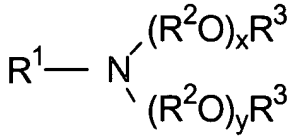
(h) alkoxylated diamines having the formula:



(33)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 8 to about 30 carbon atoms; R^2 in each of the x (R^2O) groups and the y (R^2O) groups is independently C_2-C_4 alkylene; R^3, R^5 and R^6 are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or $-(R^2O)_yR^7$; R^4 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms, $-C(=NR^{11})NR^{12}R^{13}-$, $-C(=O)NR^{12}R^{13}-$, $-C(=S)NR^{12}R^{13}-$, $-C(=NR^{12})-$, -C(S)-, or -C(O)-; R^7 is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms; R^{11}, R^{12} and R^{13} are hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms x is an average number from 1 to about 30; and y is an average number from 1 to about 50, provided, however, that at least one of R^3, R^5 and R^6 is $-(R^2O)_yR^7$, at least one R^2 is other than ethylene, R^4 is other than unsubstituted propylene, R^1 is other than unsubstituted alkyl, or x is from 2 to about 30;

(i) dialkoxylated amines having the formula:



(34)

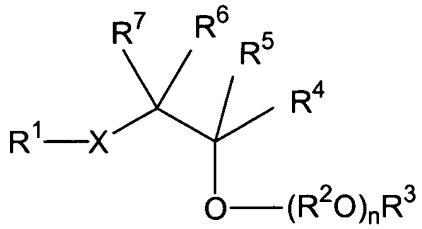
wherein R^1 is a hydrocarbyl or substituted hydrocarbyl having from about 6 to about 30 carbon atoms, or $-R^4SR^5$, R^4 and R^2 in each of the x (R^2O) and the y (R^2O) groups is independently C_2-C_4 alkylene, R^3 is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, R^5 is a linear or branched alkyl group having from about 4 to about 15 carbon atoms, and x and y are independently an average number from 1 to about 40;

(j) dialkoxylated alcohols having the formula:

$$R^1(OR^2)_xO\text{—}R^3\text{—}O\text{—}(R^2O)_yR^1 \qquad (35)$$

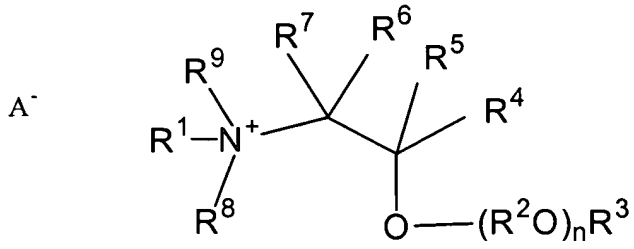
wherein R^1 is independently hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, R^2 in each of the x (R^2O) and the y (R^2O) groups is independently C_2-C_4 alkylene, R^3 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms, and x and y are independently an average number from 1 to about 60; and

(k) compounds of the formula:



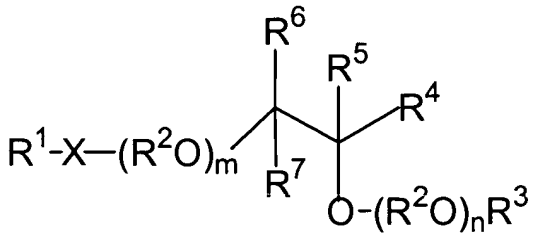
(36)

or



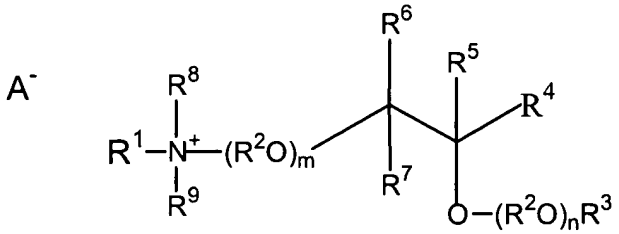
(37)

or



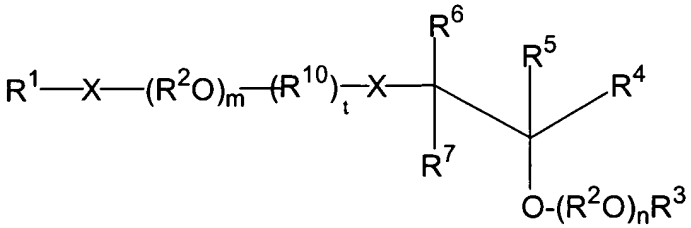
(38)

or



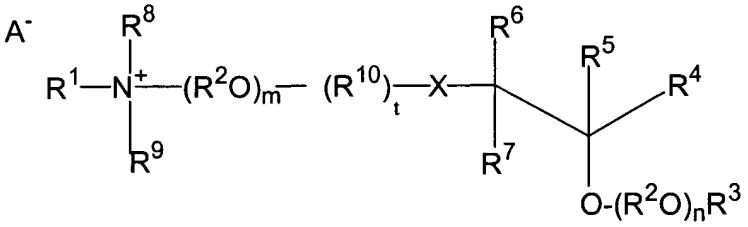
(39)

or



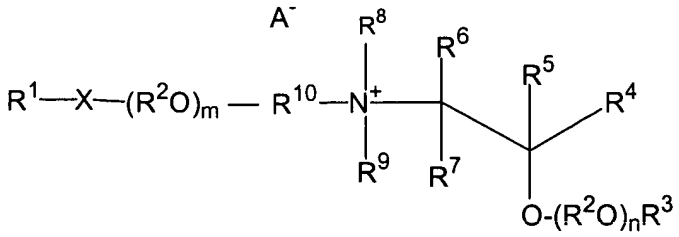
(40)

or



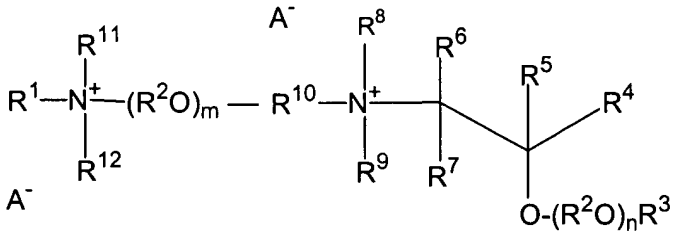
(41)

or



(42)

or



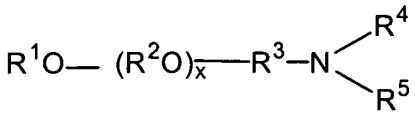
(43)

wherein R^1, R^9, and R^{12} are independently hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or $-(R^2O)_pR^{13}$; R^2 in each of the m (R^2O), n (R^2O), p (R^2O) and q (R^2O) groups is independently C_2-C_4 alkylene; R^3, R^8, R^{11}, R^{13} and R^{15} are independently hydrogen, or a hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; R^4 is $-(CH_2)_yOR^{13}$ or $-(CH_2)_yO(R^2O)_qR^3$; R^5, R^6 and R^7 are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or R^4; R^{10} is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms; R^{14} is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or $-(CH_2)_zO(R^2O)_pR^3$; m, n, p and q are independently an average number from 1 to about 50; X is -O-, $-N(R^{14})$-, -C(O)-, -C(O)O-, -OC(O)-, $-N(R^{15})C(O)$-, $-C(O)N(R^{15})$-, -S-, -SO-, or $-SO_2$-; t is 0 or 1; A- is an agriculturally acceptable anion; and y and z are independently an integer from 0 to about 30.

101-102 (canceled)

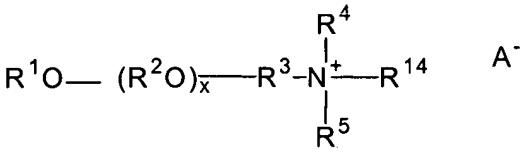
103. (withdrawn) A formulation of any one of claims 67, 92, 93, 152 or 162 wherein the surfactant is selected from the group consisting of:

(a) aminated alkoxylated alcohol having the formula:



(44)

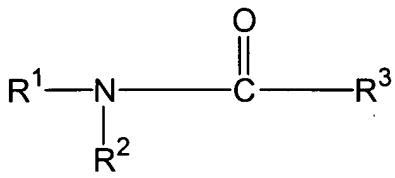
or



(45)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl containing at least 7 carbon atoms; R^2 in each of the x (R^2O) and y (R^2O) groups is independently C_2-C_4 alkylene; R^3 and R^6 are each independently hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms; R^4 is hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, hydroxy substituted hydrocarbyl, $-(R^6)_n-(R^2O)_yR^7$, $-C(=NR^{11})NR^{12}R^{13}$, $-C(=O)NR^{12}R^{13}$, $-C(=S)NR^{12}R^{13}$ or together with R^5 and the nitrogen atom to which they are attached, form a cyclic or heterocyclic ring; R^5 is hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, hydroxy substituted hydrocarbyl, $-(R^6)_n-(R^2O)_yR^7$, $-C(=NR^{11})NR^{12}R^{13}$, $-C(=O)NR^{12}R^{13}$, $-C(=S)NR^{12}R^{13}$, or together with R^4 and the nitrogen atom to which they are attached, form a cyclic or heterocyclic ring; R^7 is hydrogen or a linear or branched alkyl group having 1 to about 4 carbon atoms; R^{11}, R^{12} and R^{13} are hydrogen, hydrocarbyl or substituted hydrocarbyl, R^{14} is hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, hydroxy substituted hydrocarbyl, $-(R^6)_n-(R^2O)_yR^7$, $-C(=NR^{11})NR^{12}R^{13}$, $-C(=O)NR^{12}R^{13}$, or $-C(=S)NR^{12}R^{13}$, n is 0 or 1, x and y are independently an average number from 1 to about 60, and A- is an agriculturally acceptable anion, provided, however, that when R^2 and R^3 are isopropylene and x is 1, R^1 is other than alkyl or R^4 is other than $-(R^2O)_yR^7$;

(b) hydroxylated amines having the formula:

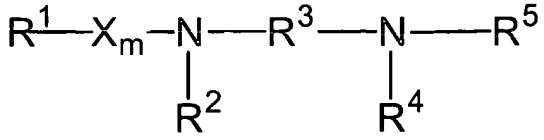


(46)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms, R^2 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to

about 30 carbon atoms, and R^3 is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl;

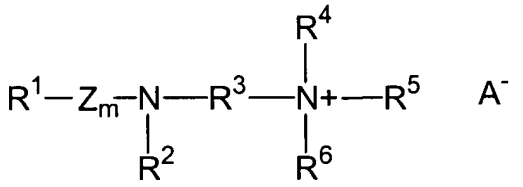
(c) diamines having the formula:



(48)

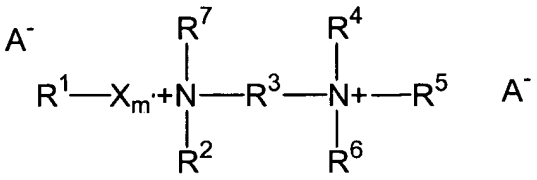
wherein R^1, R^2 and R^5 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms or $-R^8(OR^9)_nOR^{10}$, R^3 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, R^8 and R^9 are individually hydrocarbylene or substituted hydrocarbylene having from 2 to about 4 carbon atoms, R^4 and R^{10} are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, m is 0 or 1, n is an average number from 0 to about 40, X is -C(O)- or $-SO_2-$, and A^- is an agriculturally acceptable anion;

(d) mono- or di-ammonium salts having the formula:



(49)

or

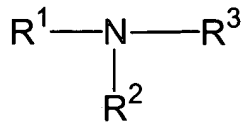


(50)

wherein R^1, R^2, R^4, R^5 and R^7 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms or $-R^8(OR^9)_nOR^{10}$, R^6 is hydrocarbyl or substituted hydrocarbyl having from about 1 to about 30 carbon atoms, R^3 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, R^8, R^9 and R^{11} are individually hydrocarbylene or substituted hydrocarbylene

having from 2 to about 4 carbon atoms, R^{10} is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, m is 0 or 1, n is an average number from 0 to about 40, X is -C(O)- or $-SO_2-$, Z is -C(O)-, and A^- is an agriculturally acceptable anion;

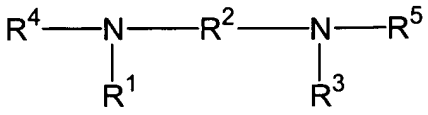
(e) poly(hydroxyalkyl)amines having the formula:



(51)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms or $-R^4OR^5$, R^2 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R^3 is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl, R^4 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, and R^5 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from about 1 to about 30 carbon atoms.

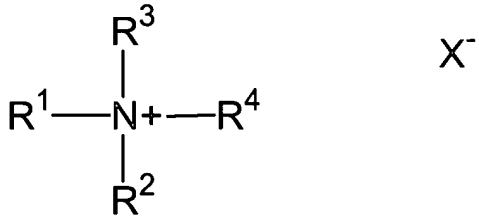
(f) di-poly(hydroxyalkyl)amine having the formula:



(54)

wherein R^1 and R^3 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 22 carbon atoms, R^2 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, and R^4 and R^5 are independently hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl;

(g) quaternary poly(hydroxyalkyl)amine salts having the formula:

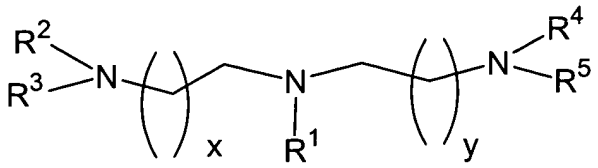


(56)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms, R^2 and R^3 are independently hydrogen or hydrocarbyl or substituted

hydrocarbyl having from 1 to about 30 carbon atoms, and R^4 is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl;

(h) triamines having the formula:



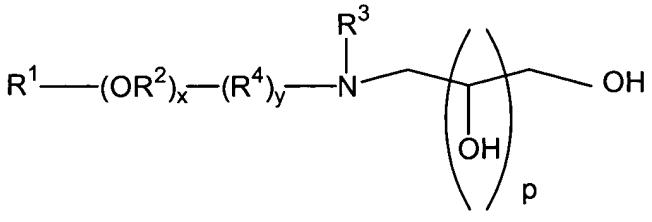
(59)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; R^2, R^3, R^4 and R^5 are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or $-(R^8)_s(R^7O)_nR^6$; R^6 is hydrogen or a linear or branched alkyl group having from 1 to about 4 carbon atoms, R^7 in each of the n (R^7O) groups is independently C_2-C_4 alkylene; R^8 is hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms, n is an average number from 1 to about 10, s is 0 or 1, and x and y are independently an integer from 1 to about 4;

and mixtures thereof, wherein the pesticide is other than a bacteriocide if the composition includes a surfactant of group (a) or (d).

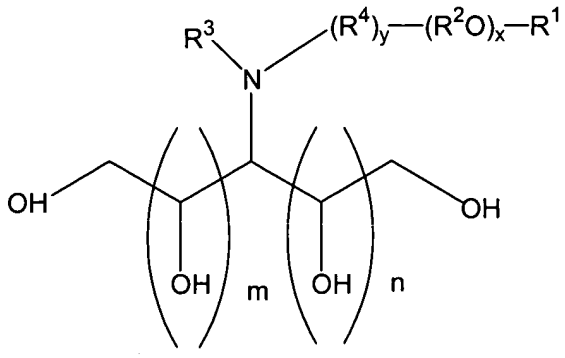
104-144 (canceled)

145. (withdrawn) A surfactant compound of claim 100 wherein said surfactant of formula (b) is an alkoxylated poly(hydroxyalkyl)amines having the formula:



(25)

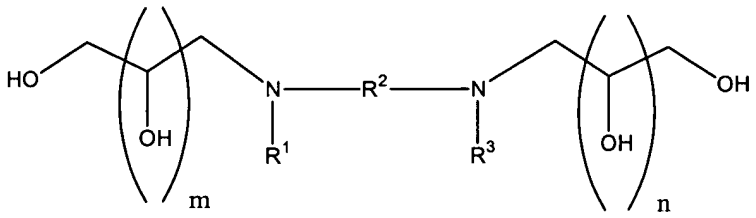
or



(26)

wherein R^1 and R^3 are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R^2 in each of the x (R^2O) groups is independently C_2-C_4 alkylene; R^4 is hydrocarbylene or substituted hydrocarbylene having from 1 to about 30 carbon atoms, m and n are independently integers from 0 to about 7, the sum of m and n is not greater than about 7, p is an integer from 1 to about 8, x is an average number from 0 to about 30, and y is 0 or 1.

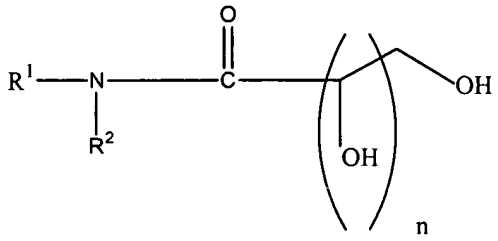
146. (withdrawn) A surfactant compound of claim 100 wherein said surfactant of formula (c) is a di-poly(hydroxyalkyl)amine having the formula:



(28)

wherein R^1 and R^3 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 22 carbon atoms, R^2 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, and m and n are independently integers from 1 to about 8, provided, however, that when R^1 and R^3 are methyl, R^2 is other than octylene.

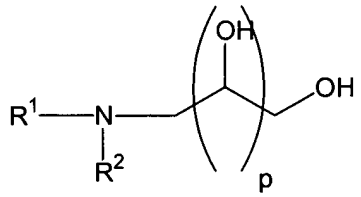
147. (withdrawn) A surfactant compound of claim 103 wherein said surfactant of formula (b) is a hydroxylated amine having the formula:



(47)

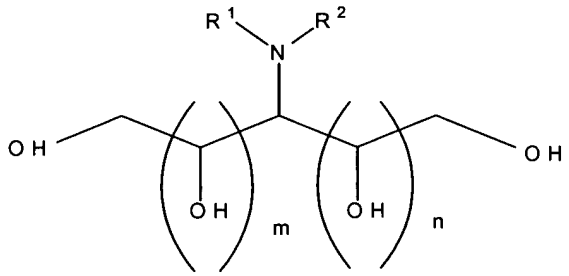
wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms, R^2 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, and n is 1 to about 8.

148. (withdrawn) A surfactant compound of claim 103 wherein said surfactant of formula (e) is a poly(hydroxyalkyl)amine having the formula:



(52)

or

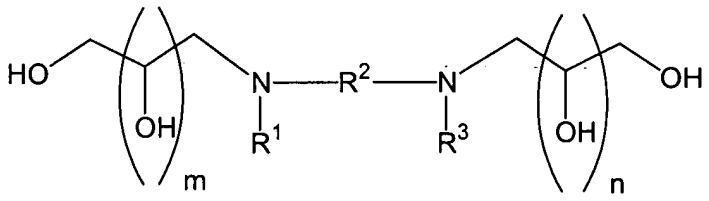


(53)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms or $-R^3OR^4$; R^2 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R^3 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, R^4 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from about 1 to about 30 carbon atoms, m and n are

independently integers from 0 to about 7, the sum of m and n is not greater than about 7, and p is an integer from 1 to about 8.

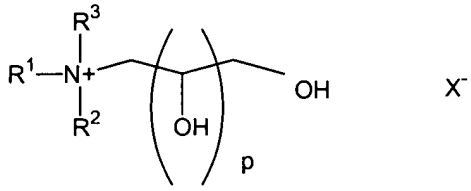
149. (withdrawn) A surfactant compound of claim 103 wherein said surfactant of formula (f) is a di-poly(hydroxyalkyl)amine having the formula:



(55)

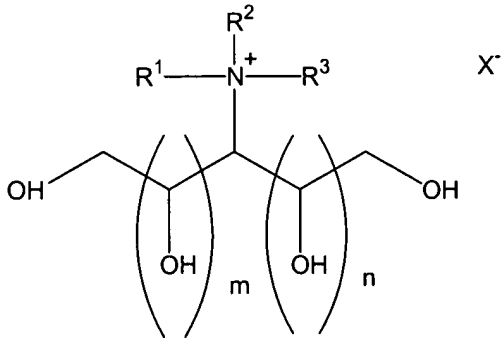
wherein R^1 and R^3 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 22 carbon atoms, R^2 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, and m and n are independently integers from 1 to about 8.

150. (withdrawn) A surfactant compound of claim 103 wherein said surfactant of formula (g) is a quaternary poly(hydroxyalkyl)amine salt having the formula:



(57)

or



(58)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms, R^2 and R^3 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, m and n are independently integers from 0 to about 7, the sum of m and n is not greater than about 7, and p is an integer from 1 to about 8.

151. (canceled)

152. (currently amended) A formulation useful in retarding the growth of vegetation comprising an aqueous mixture containing a surfactant, glyphosate, predominantly in the form of the potassium salt ~~or a salt or ester~~ thereof, and a dicarboxylic acid, the nature of said surfactant and the composition of said formulation being such that, upon application of the formulation to a plant, anisotropic aggregates comprising said surfactant are formed on the foliage of said plant, and wherein the growth of the plant is controlled to a greater extent than in a plant treated with a reference application mixture devoid of the dicarboxylic acid but otherwise having the same composition as said formulation.

153. (previously presented) A formulation as set forth in claim 152 wherein the nature of said surfactant and the composition of said formulation are such that, upon application of the formulation to a plant, liquid crystals comprising said surfactant are formed in the foliage of said plant

154. (previously presented) A formulation as set forth in claim 152 wherein the glyphosate concentration is from about 400 g a.e./L to about 600 g a.e./L.

155. (previously presented) A formulation of claim 152 wherein the formulation has a cloud point of at least about 50°C and a crystallization point of not higher than about 0°C.

156. (previously presented) A formulation of claim 155 wherein the formulation has a cloud point of at least about 60°C and a crystallization point of not higher than about -10°C.

157. (currently amended) A formulation of claim 152 wherein the weight ratio of the surfactant to the dicarboxylic acid is from about 5:1 to about 50:1 ~~formulation comprises a salt of glyphosate selected from the group consisting of potassium glyphosate, monoammonium glyphosate, diammonium glyphosate, sodium glyphosate, monoethanolamine glyphosate, n-propylamine glyphosate, ethylamine glyphosate, ethylenediamine glyphosate, hexamethylenediamine glyphosate, trimethylsulfonium glyphosate and mixtures thereof~~.

158. (previously presented) A formulation of claim 152 wherein the formulation has a density of at least about 1.210 grams/liter.

159. (previously presented) A formulation of claim 152 wherein the formulation has a viscosity of less than about 1000 c.p. at 0°C at 45/s shear rate.

160. (previously presented) A formulation of claim 159 wherein the formulation has a viscosity of less than about 250 c.p. at 0°C at 45/s shear rate.

161. (previously presented) A formulation of claim 152 wherein the surfactant comprised by the formulation is not substantially antagonistic to the herbicidal activity of the glyphosate.

162. (currently amended) A formulation useful in retarding the growth of vegetation comprising an aqueous mixture containing a surfactant, glyphosate or a salt or ester thereof, and a dicarboxylic acid, said surfactant and said dicarboxylic acid being present is a weight ratio of between about 5:1 ~~1:1~~ and about 50:1, the nature of said surfactant and the composition of said formulation being such that, upon application of the formulation to a plant, anisotropic aggregates comprising said surfactant are formed on the foliage of said plant.

163. (previously presented) A formulation as set forth in claim 162 wherein the nature of said surfactant and the composition of said formulation are such that, upon application of the formulation to a plant, liquid crystals comprising said surfactant are formed in the foliage of said plant

164. (previously presented) A formulation as set forth in claim 162 wherein the glyphosate concentration is from about 400 g a.e./L to about 600 g a.e./L.

165. (previously presented) A formulation of claim 162 wherein the formulation has a cloud point of at least about 50°C and a crystallization point of not higher than about 0°C.

166. (previously presented) A formulation of claim 165 wherein the formulation has a cloud point of at least about 60°C and a crystallization point of not higher than about -10°C.

167. (previously presented) A formulation of claim 162 wherein the formulation comprises a salt of glyphosate selected from the group consisting of potassium glyphosate, monoammonium glyphosate, diammonium glyphosate, sodium glyphosate, monoethanolamine glyphosate, n-propylamine glyphosate, ethylamine glyphosate, ethylenediamine glyphosate, hexamethylenediamine glyphosate, trimethylsulfonium glyphosate and mixtures thereof.

168. (previously presented) A formulation of claim 162 wherein the formulation has a density of at least about 1.210 grams/liter.

169. (previously presented) A formulation of claim 162 wherein the formulation has a viscosity of less than about 1000 c.p. at 0°C at 45/s shear rate.

170. (previously presented) A formulation of claim 169 wherein the formulation has a viscosity of less than about 250 c.p. at 0°C at 45/s shear rate.

171. (previously presented) A formulation of claim 162 wherein the surfactant comprised by the formulation is not substantially antagonistic to the herbicidal activity of the glyphosate.

172-178 (canceled)